

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062321\
 Data File : VX022859.D
 Acq On : 23 Jun 2021 22:50
 Operator : JC/MD
 Sample : M2803-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20210619

Quant Time: Jun 24 03:38:54 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

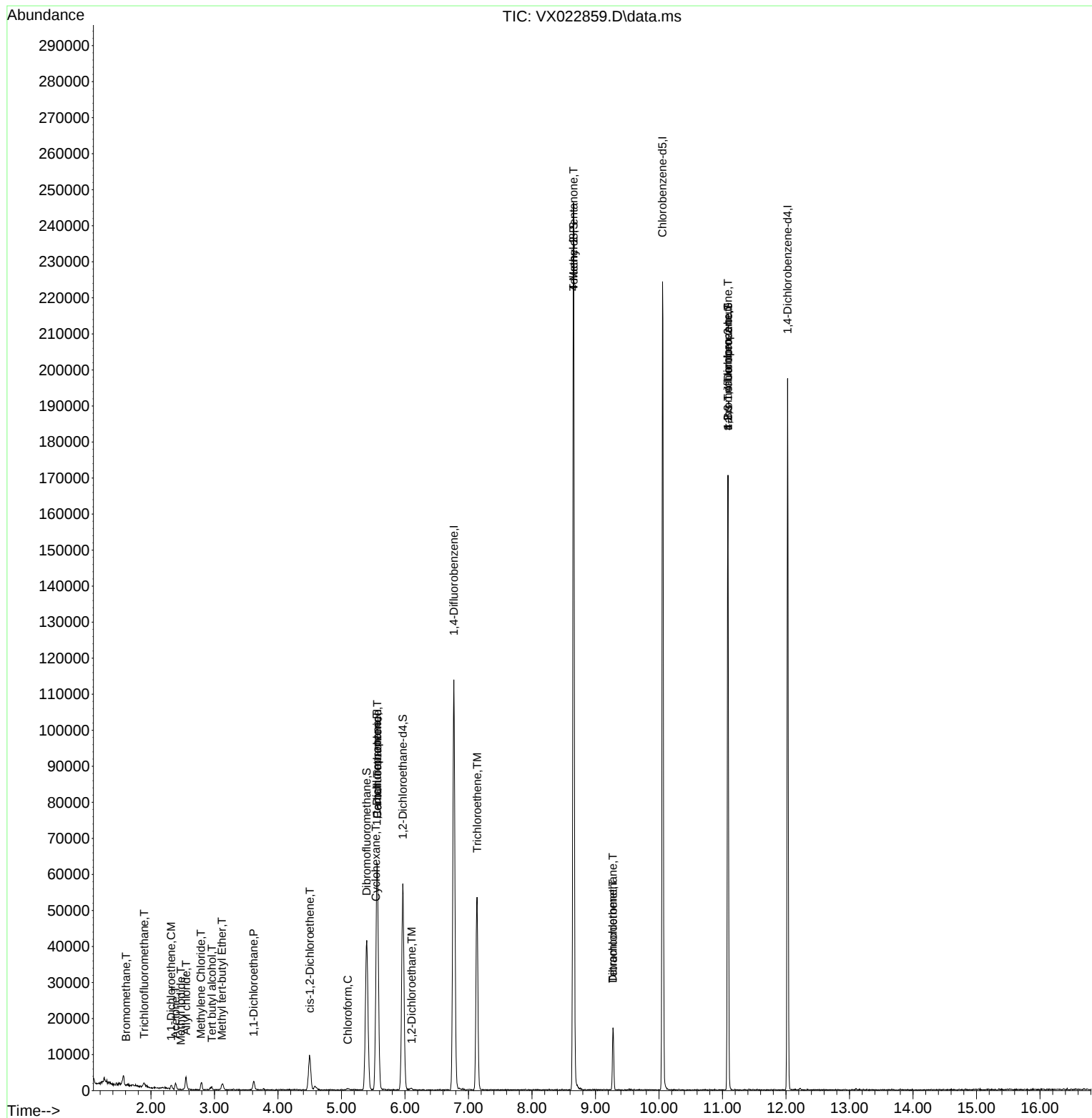
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	52550	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	107013	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	96925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	33980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50871	53.342	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.680%	
35) Dibromofluoromethane	5.398	113	35581	52.359	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.720%	
50) Toluene-d8	8.653	98	136990	51.436	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	11.086	95	45353	45.628	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 91.260%	
Target Compounds						Qvalue
5) Bromomethane	1.605	94	157	0.379	ug/l	# 2
7) Trichlorofluoromethane	1.892	101	781	0.716	ug/l	93
10) Methyl Iodide	2.471	142	46	3.931	ug/l	# 42
11) Tert butyl alcohol	2.959	59	445	2.239	ug/l	# 73
12) 1,1-Dichloroethene	2.319	96	433	0.635	ug/l	# 88
14) Allyl chloride	2.557	41	316	0.244	ug/l	# 1
16) Acetone	2.386	43	1869	4.421	ug/l	95
19) Methyl tert-butyl Ether	3.117	73	1975	0.808	ug/l	# 91
20) Methylene Chloride	2.788	84	849	1.377	ug/l	# 79
24) 1,1-Dichloroethane	3.617	63	2637	1.832	ug/l	# 84
27) cis-1,2-Dichloroethene	4.501	96	5429	6.468	ug/l	97
30) Chloroform	5.099	83	638	0.441	ug/l	# 63
31) Cyclohexane	5.544	56	1804	1.340	ug/l	# 63
36) 1,1-Dichloropropene	5.556	75	5340	4.698	ug/l	# 47
38) Carbon Tetrachloride	5.562	117	6053	6.349	ug/l	# 15
42) 1,2-Dichloroethane	6.105	62	691	0.573	ug/l	# 73
44) Trichloroethene	7.135	130	18415	23.692	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	757	0.575	ug/l	# 1
60) Dibromochloromethane	9.275	129	2866	7.062	ug/l	# 11
64) Tetrachloroethene	9.275	164	2766	4.061	ug/l	# 84
76) 1,2,3-Trichloropropane	11.086	75	25409	28.309	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.086	75	25409	73.019	ug/l	# 12

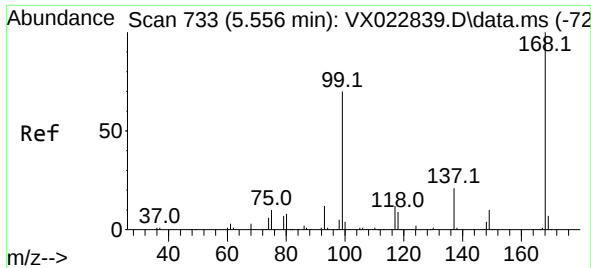
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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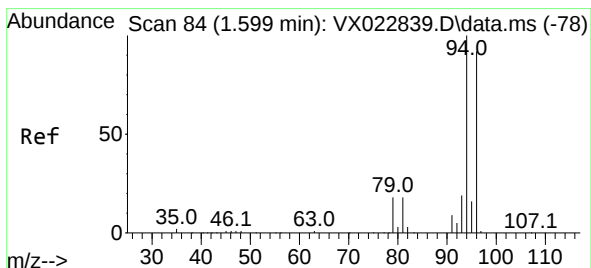
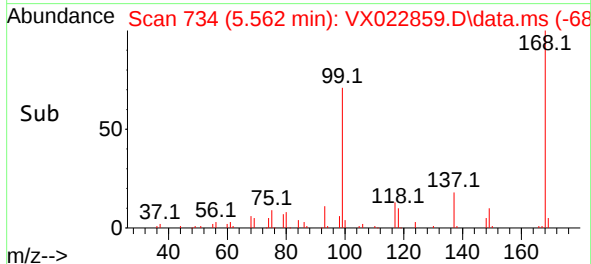
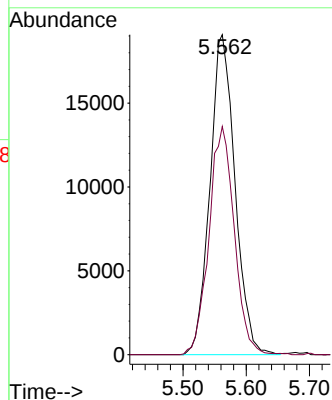
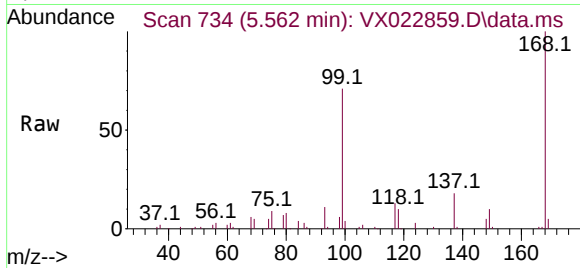




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

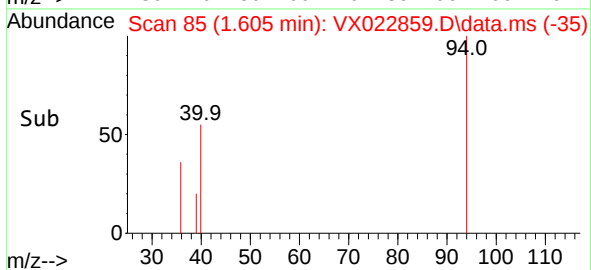
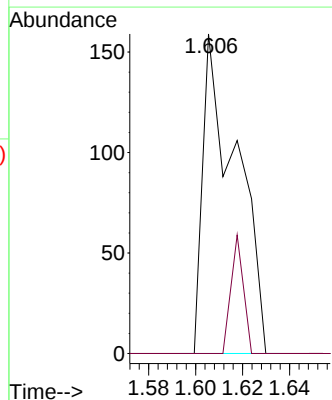
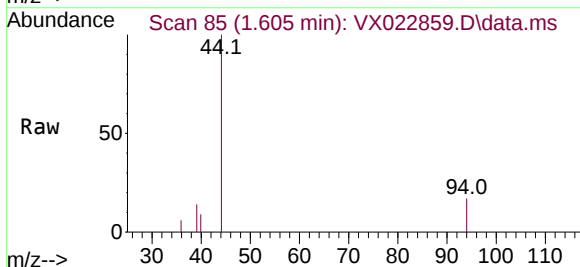
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

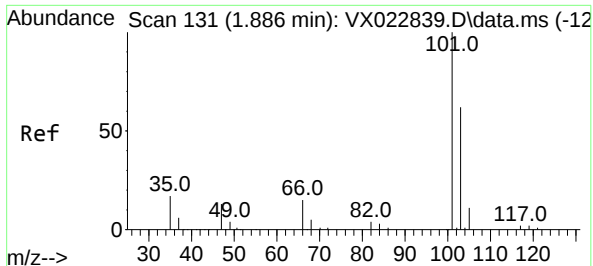
Tgt Ion:168 Resp: 52550
Ion Ratio Lower Upper
168 100
99 71.3 45.8 68.6#



#5
Bromomethane
Concen: 0.379 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

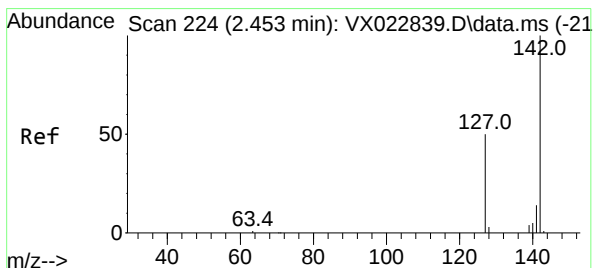
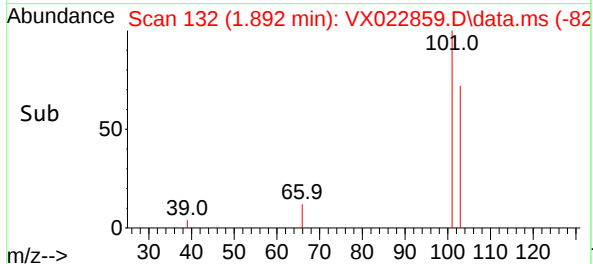
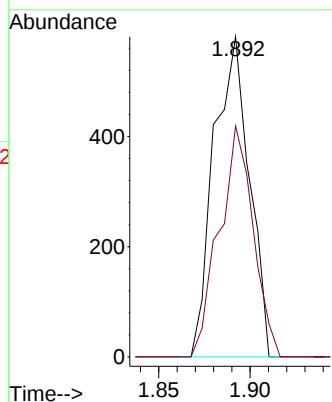
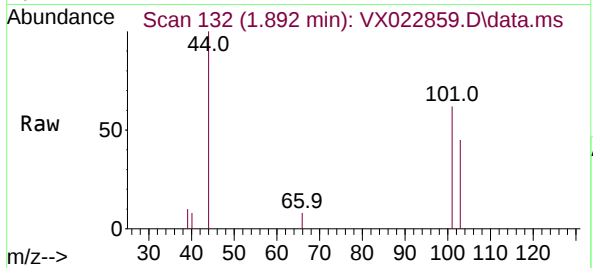




#7
 Trichlorofluoromethane
 Concen: 0.716 ug/l
 RT: 1.892 min Scan# 132
 Delta R.T. 0.006 min
 Lab File: VX022859.D
 Acq: 23 Jun 2021 22:50

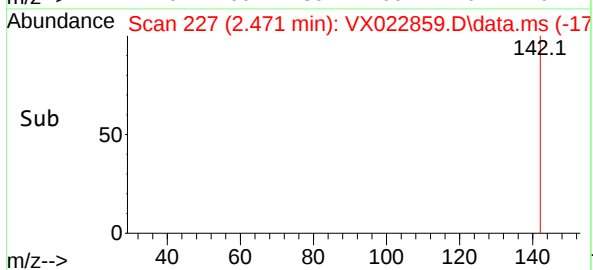
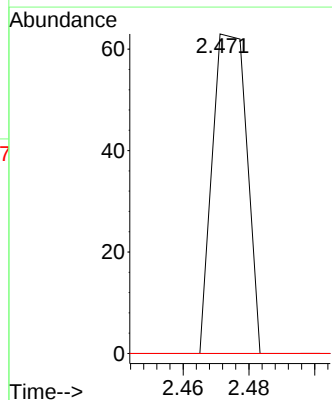
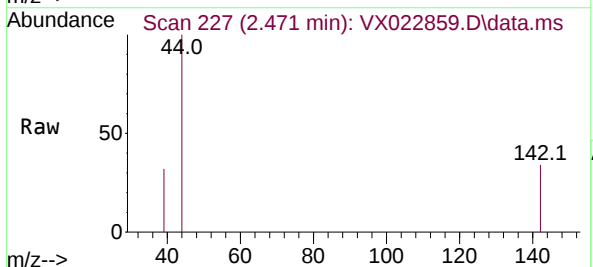
Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20210619

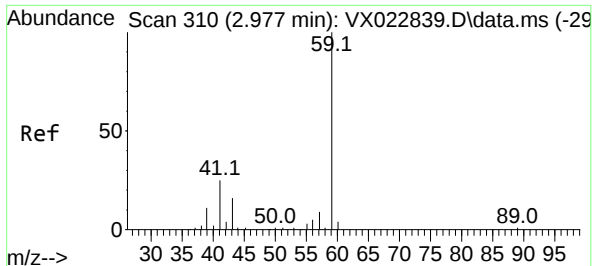
Tgt Ion:101 Resp: 781
 Ion Ratio Lower Upper
 101 100
 103 72.1 53.2 79.8



#10
 Methyl Iodide
 Concen: 3.931 ug/l
 RT: 2.471 min Scan# 227
 Delta R.T. 0.018 min
 Lab File: VX022859.D
 Acq: 23 Jun 2021 22:50

Tgt Ion:142 Resp: 46
 Ion Ratio Lower Upper
 142 100
 127 0.0 33.3 49.9#
 141 0.0 11.4 17.0#



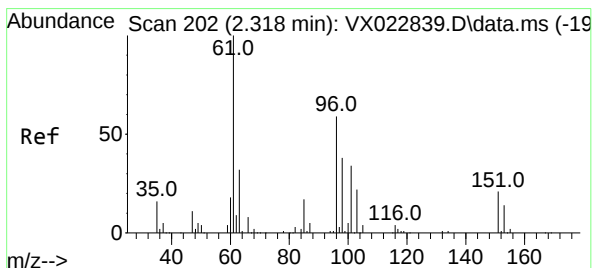
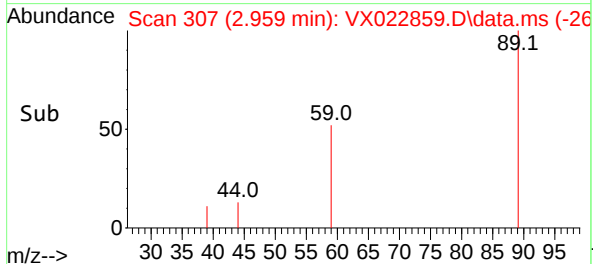
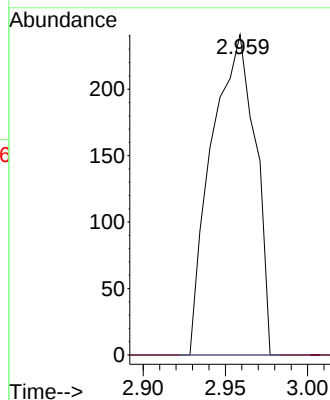
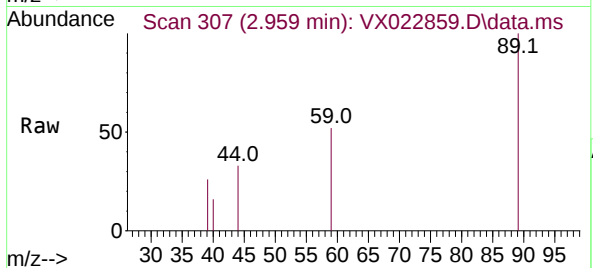


#11

Tert butyl alcohol
Concen: 2.239 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

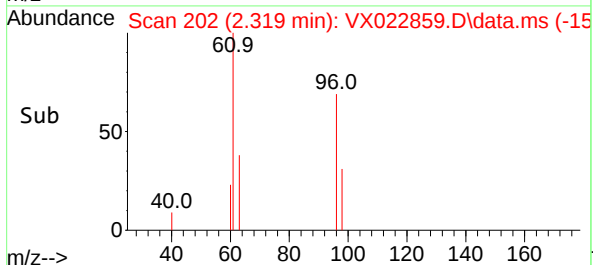
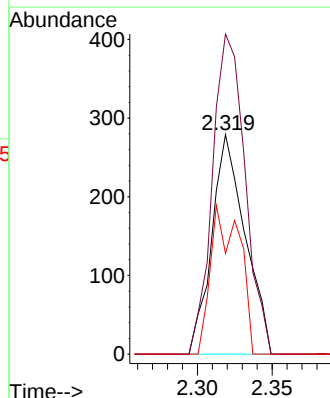
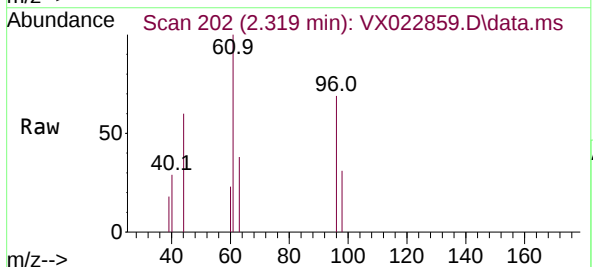
Tgt Ion: 59 Resp: 445
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

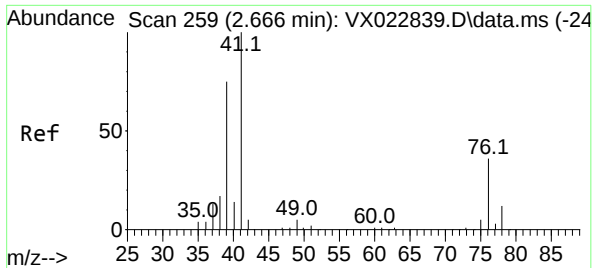


#12

1,1-Dichloroethene
Concen: 0.635 ug/l
RT: 2.319 min Scan# 202
Delta R.T. 0.001 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 96 Resp: 433
Ion Ratio Lower Upper
96 100
61 145.9 124.6 187.0
98 45.9 50.6 76.0#





#14

Allyl chloride

Concen: 0.244 ug/l

RT: 2.557 min Scan# 241

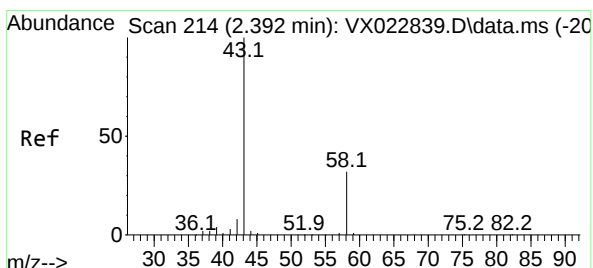
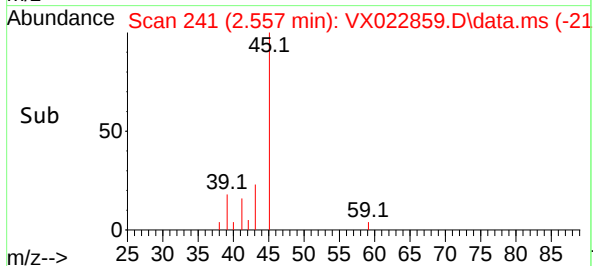
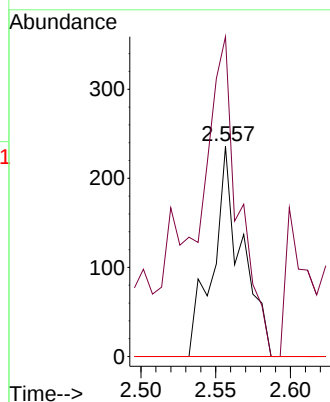
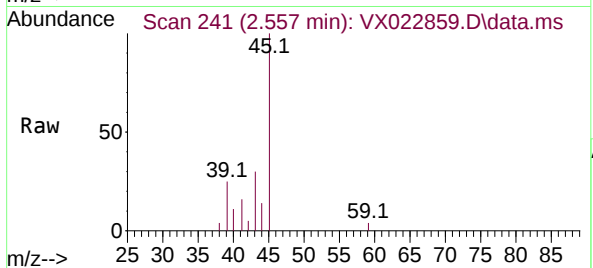
Delta R.T. -0.109 min

Lab File: VX022859.D

Acq: 23 Jun 2021 22:50

Tgt Ion: 41	Resp: 316
Ion Ratio	Lower Upper
41 100	
39 263.6	51.6 77.4#
76 0.0	30.5 45.7#

Instrument :
MSVOA_X
ClientSampleId :
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#16

Acetone

Concen: 4.421 ug/l

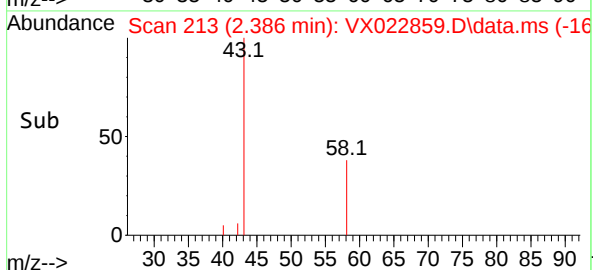
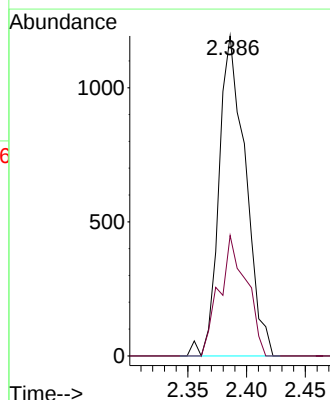
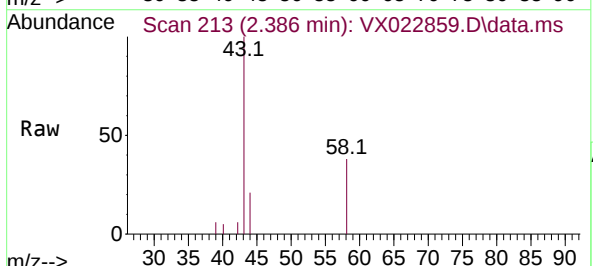
RT: 2.386 min Scan# 213

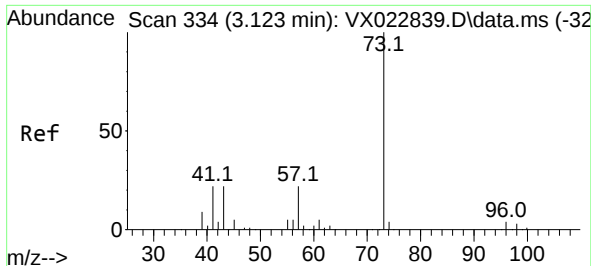
Delta R.T. -0.006 min

Lab File: VX022859.D

Acq: 23 Jun 2021 22:50

Tgt Ion: 43	Resp: 1869
Ion Ratio	Lower Upper
43 100	
58 37.6	27.8 41.8

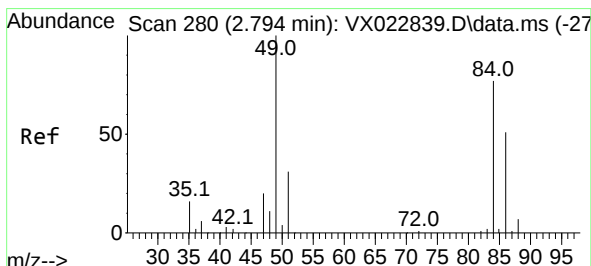
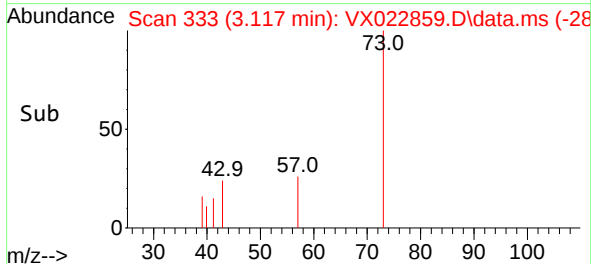
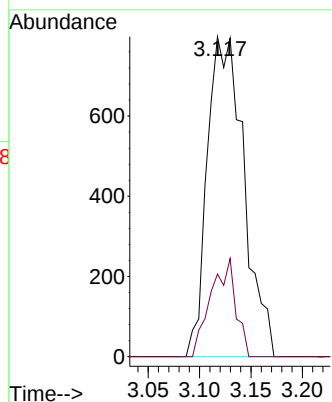
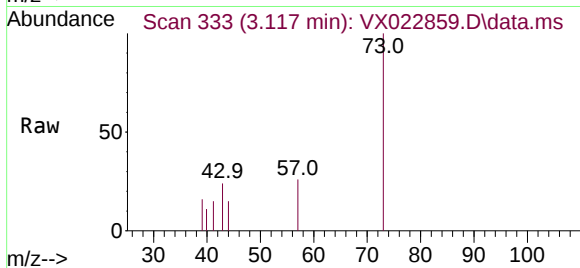




#19
Methyl tert-butyl Ether
Concen: 0.808 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.006 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

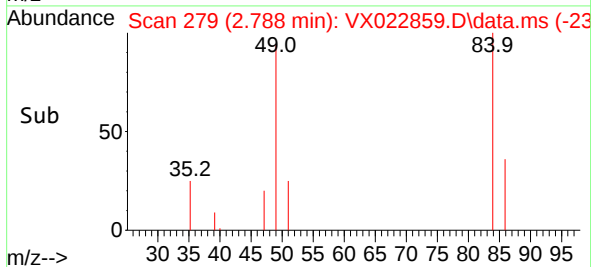
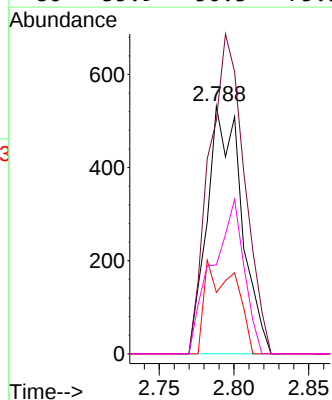
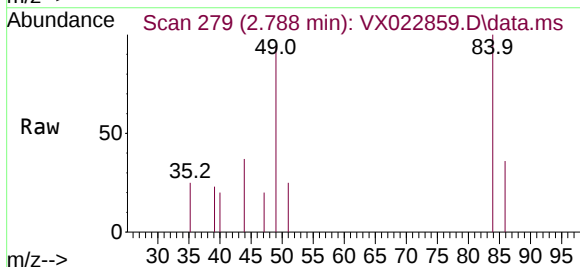
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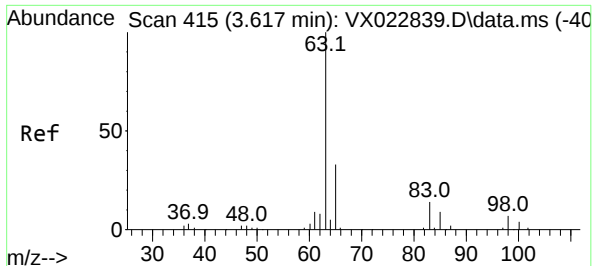
Tgt Ion: 73 Resp: 1975
Ion Ratio Lower Upper
73 100
57 25.8 17.1 25.7#



#20
Methylene Chloride
Concen: 1.377 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 84 Resp: 849
Ion Ratio Lower Upper
84 100
49 94.2 88.6 132.8
51 24.8 27.0 40.6#
86 35.9 50.3 75.5#

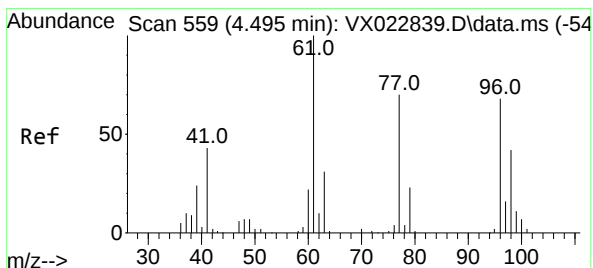
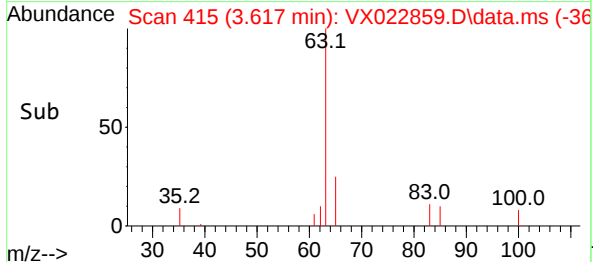
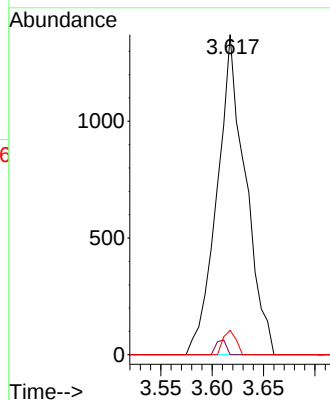
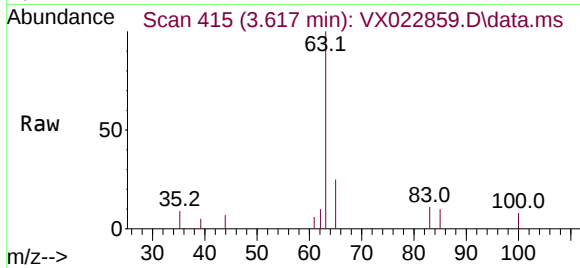




#24
1,1-Dichloroethane
Concen: 1.832 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

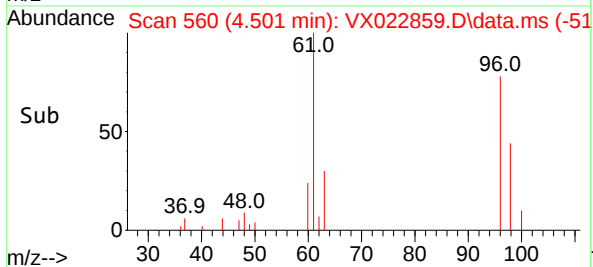
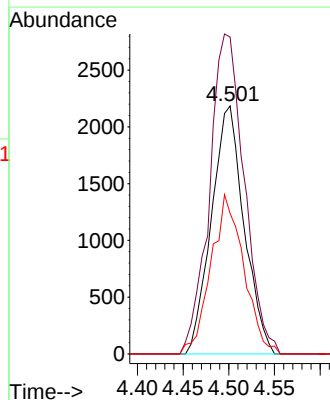
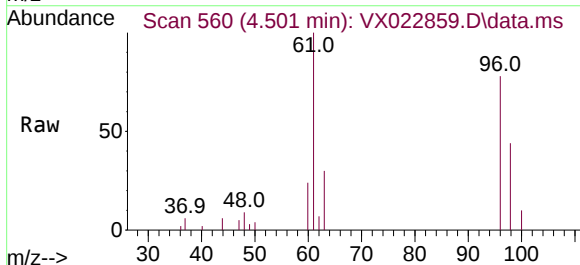
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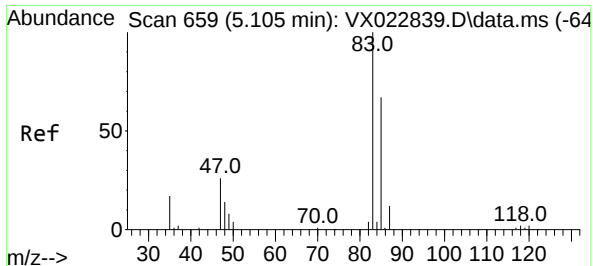
Tgt Ion: 63 Resp: 2637
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 7.6 2.5 7.5#



#27
cis-1,2-Dichloroethene
Concen: 6.468 ug/l
RT: 4.501 min Scan# 560
Delta R.T. 0.006 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 96 Resp: 5429
Ion Ratio Lower Upper
96 100
61 137.2 0.0 285.6
98 64.6 0.0 129.6





#30

Chloroform

Concen: 0.441 ug/l

RT: 5.099 min Scan# 658

Delta R.T. -0.006 min

Lab File: VX022859.D

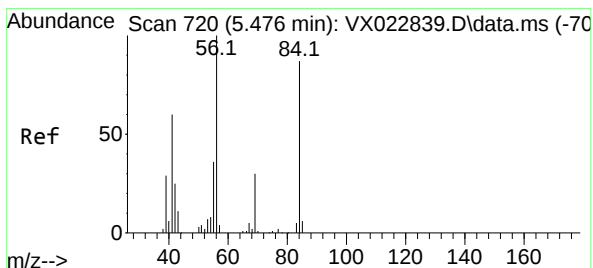
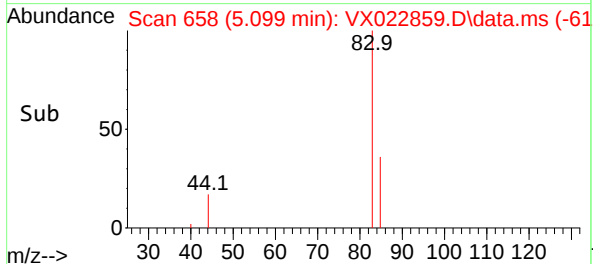
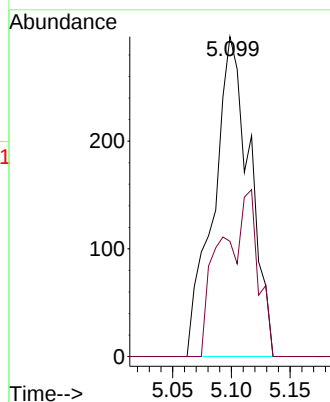
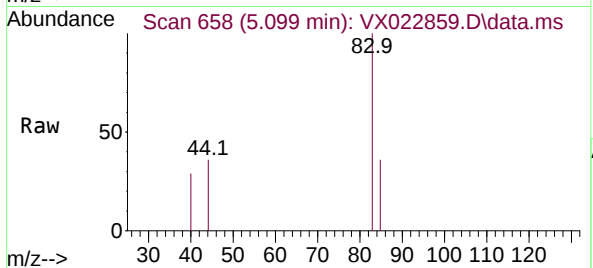
Acq: 23 Jun 2021 22:50

Tgt Ion: 83 Resp: 638

Ion Ratio Lower Upper

83 100

85 36.0 52.0 78.0#



#31

Cyclohexane

Concen: 1.340 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.068 min

Lab File: VX022859.D

Acq: 23 Jun 2021 22:50

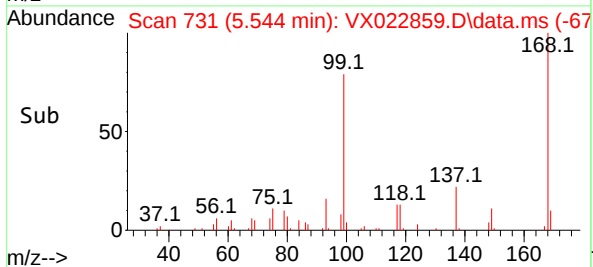
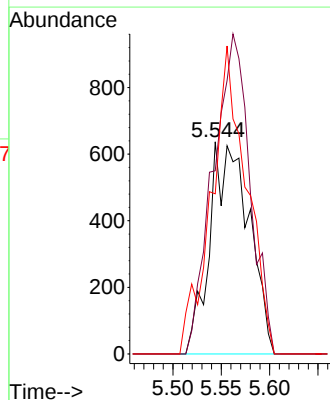
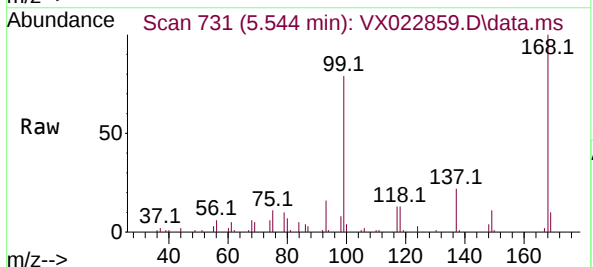
Tgt Ion: 56 Resp: 1804

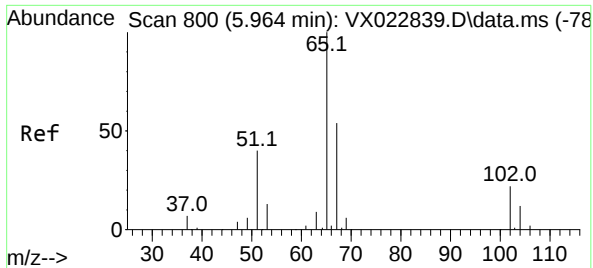
Ion Ratio Lower Upper

56 100

69 86.3 25.3 37.9#

84 75.5 71.4 107.0

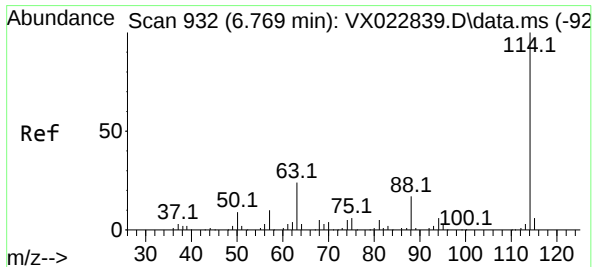
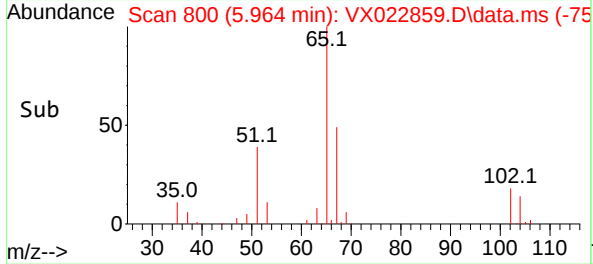
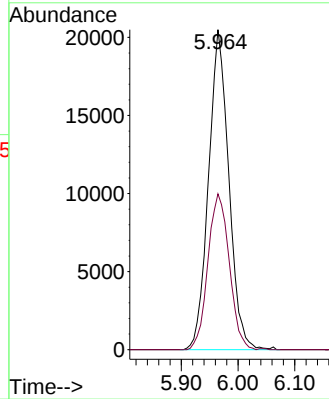
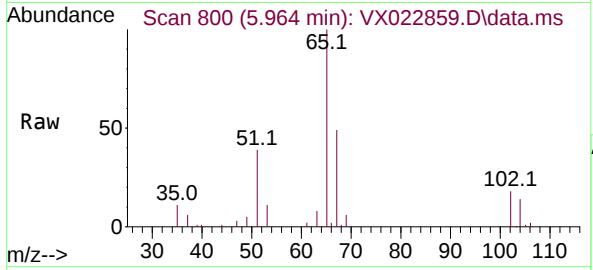




#33
 1,2-Dichloroethane-d4
 Concen: 53.342 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VX022859.D
 Acq: 23 Jun 2021 22:50

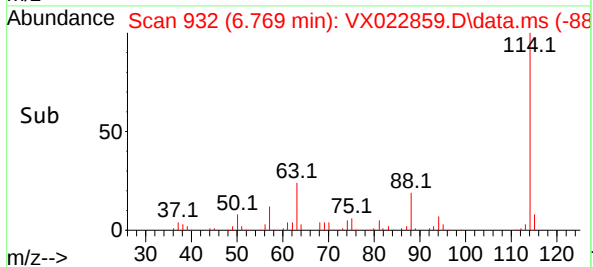
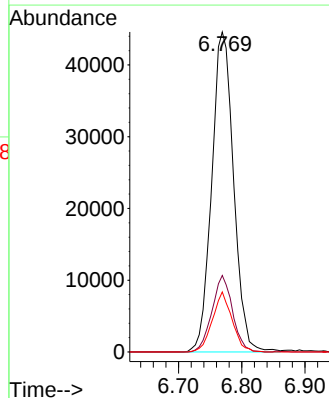
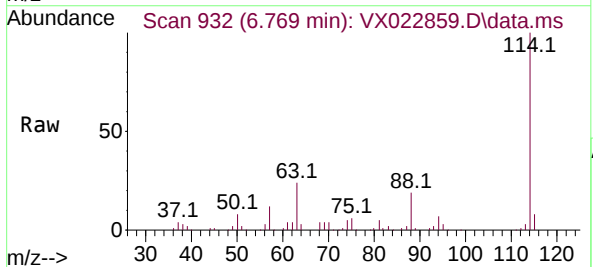
Instrument :
 MSVOA_X
 ClientSampleId :
 MW202D-20210619

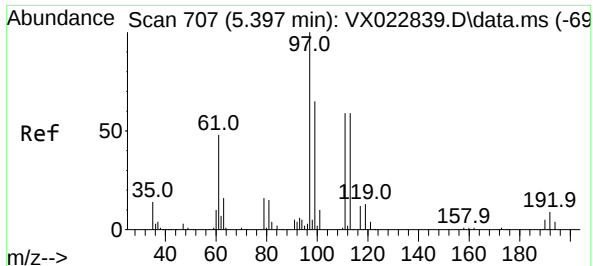
Tgt Ion: 65 Resp: 50871
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX022859.D
 Acq: 23 Jun 2021 22:50

Tgt Ion: 114 Resp: 107013
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 40.8
 88 18.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.359 ug/l

RT: 5.398 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX022859.D

Acq: 23 Jun 2021 22:50

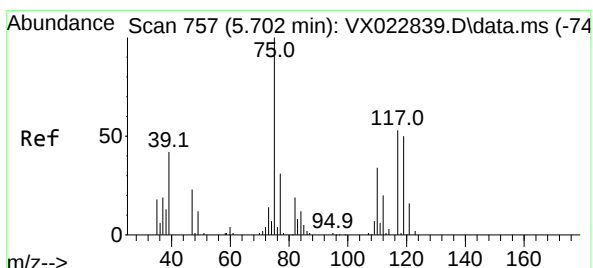
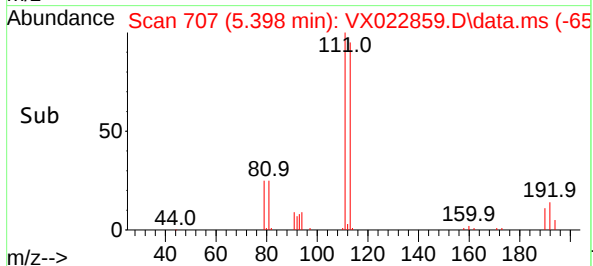
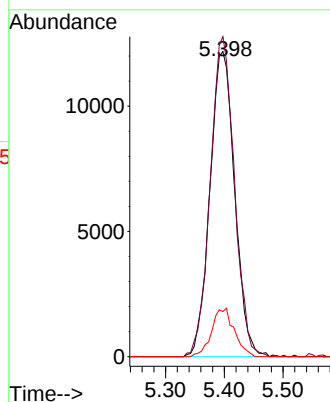
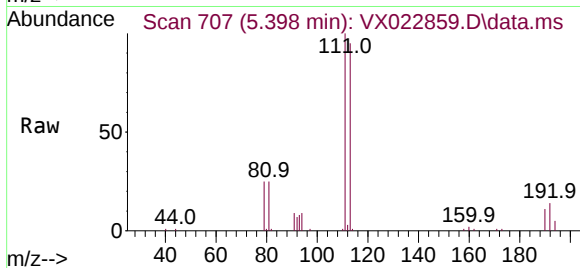
Tgt Ion:113 Resp: 35581

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 14.5 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 4.698 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX022859.D

Acq: 23 Jun 2021 22:50

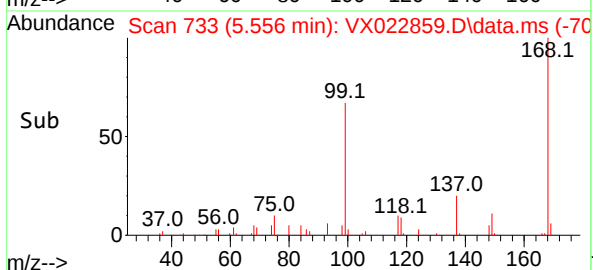
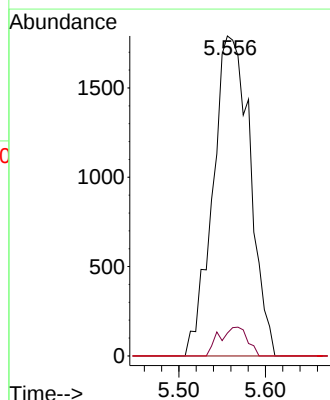
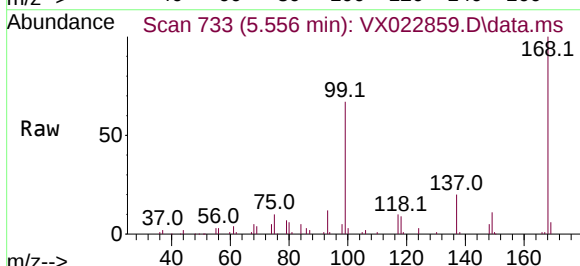
Tgt Ion: 75 Resp: 5340

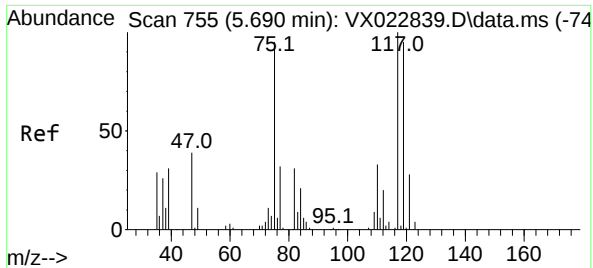
Ion Ratio Lower Upper

75 100

110 6.8 18.1 54.4#

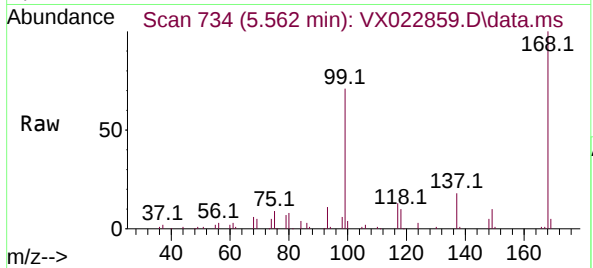
77 0.0 25.3 37.9#



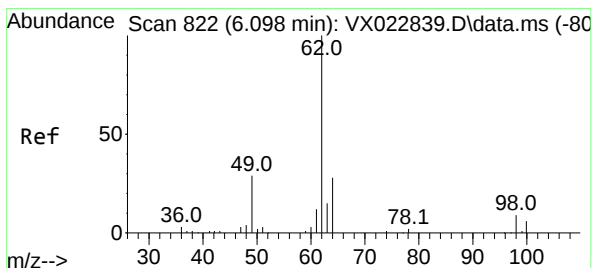
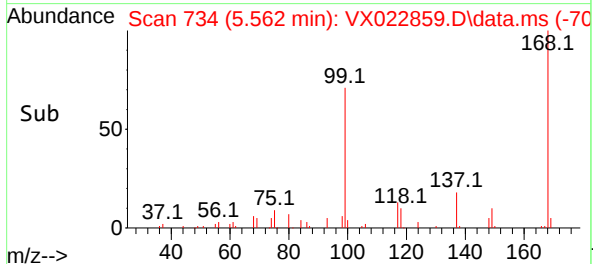
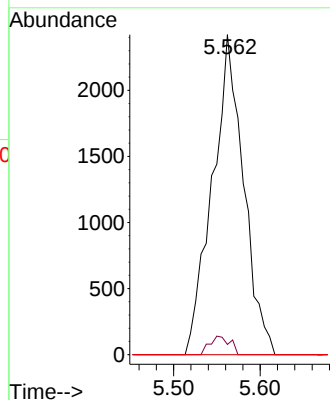


#38
Carbon Tetrachloride
Concen: 6.349 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

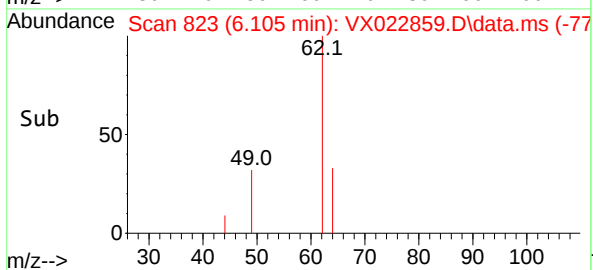
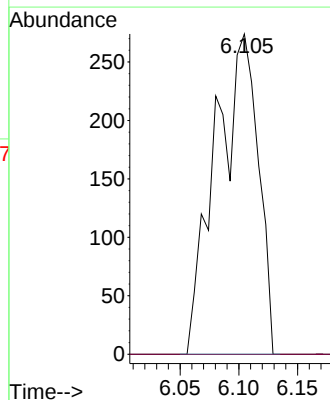
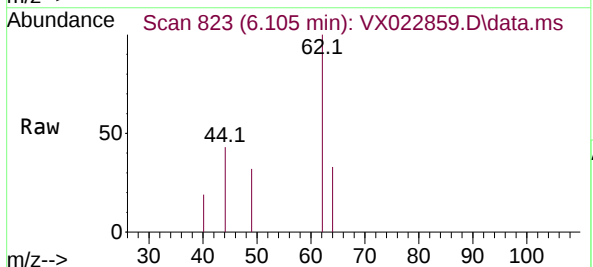


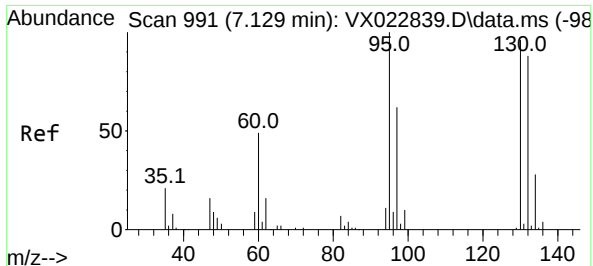
Tgt Ion:117 Resp: 6053
Ion Ratio Lower Upper
117 100
119 3.2 76.2 114.2#
121 0.0 24.8 37.2#



#42
1,2-Dichloroethane
Concen: 0.573 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.007 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 62 Resp: 691
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

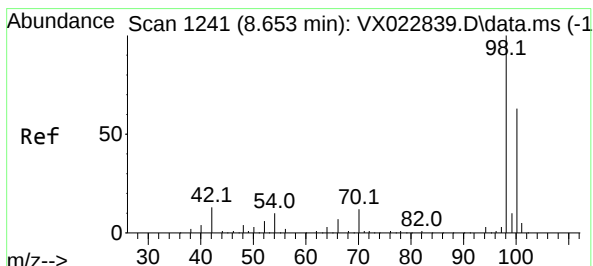
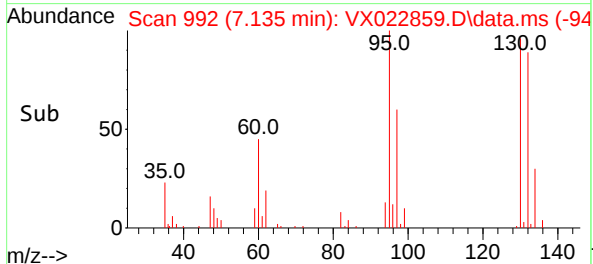
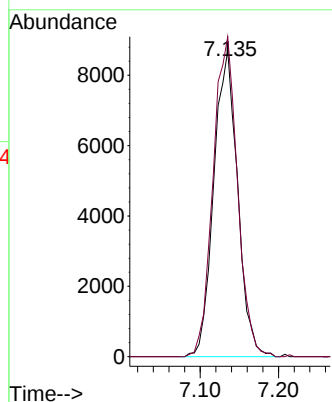
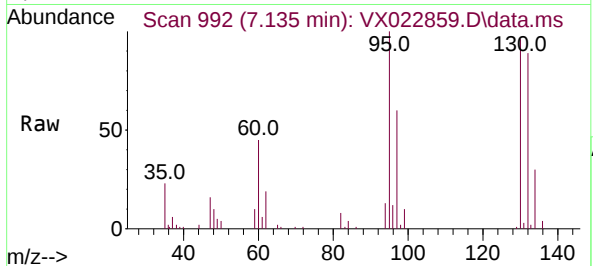




#44
Trichloroethene
Concen: 23.692 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

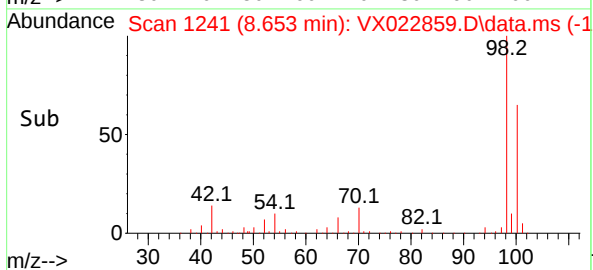
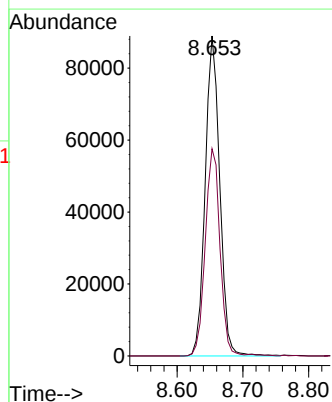
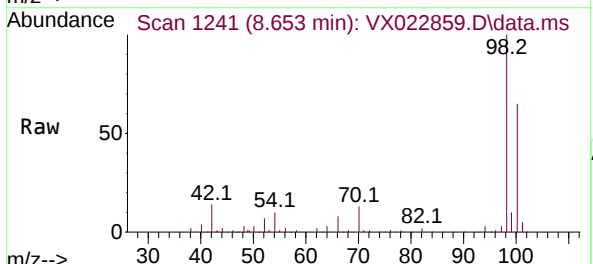
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

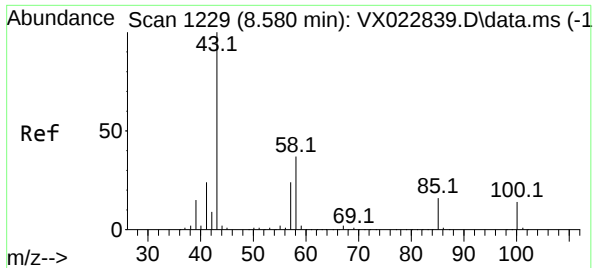
Tgt Ion:130 Resp: 18415
Ion Ratio Lower Upper
130 100
95 104.4 0.0 198.0



#50
Toluene-d8
Concen: 51.436 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 98 Resp: 136990
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9

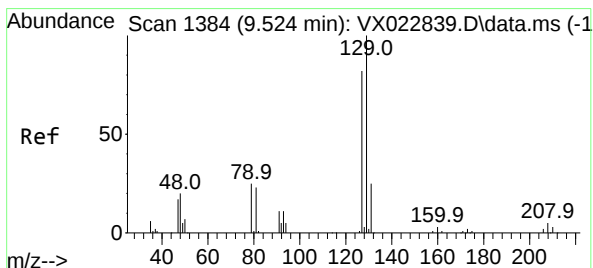
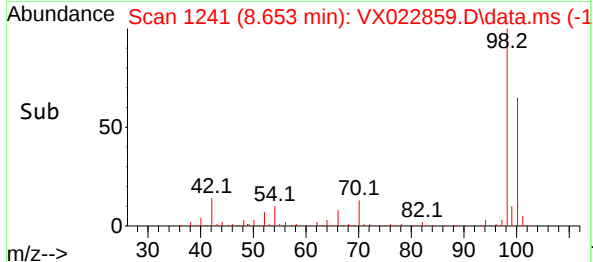
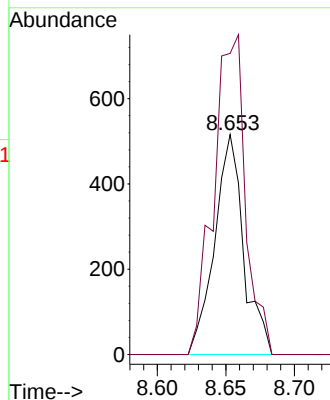
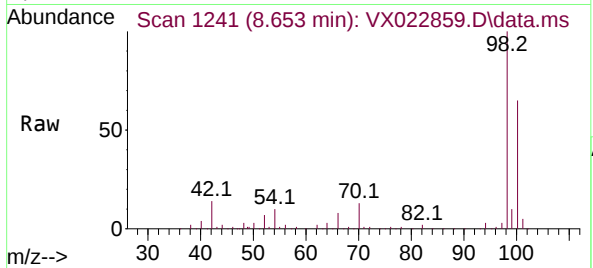




#51
4-Methyl-2-Pentanone
Concen: 0.575 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

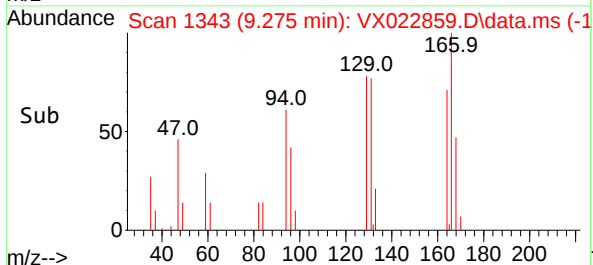
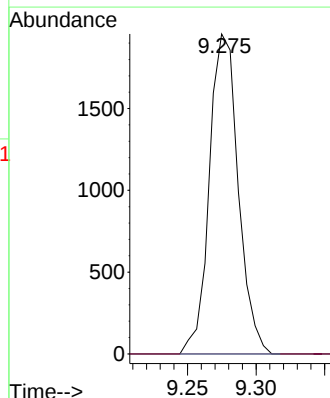
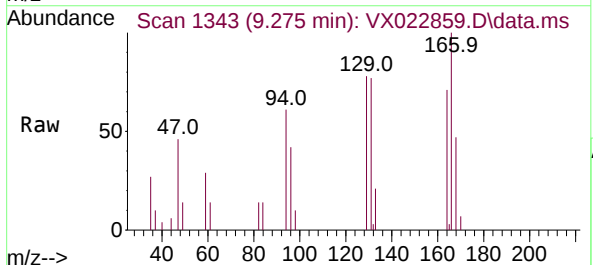
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

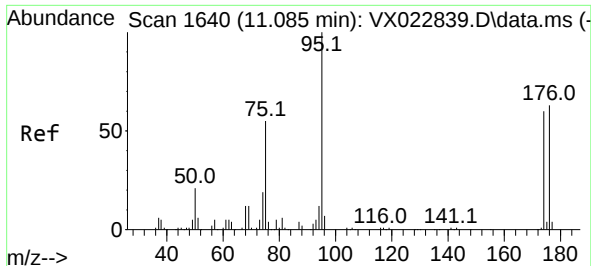
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
58 160.1 35.4 53.0#



#60
Dibromochloromethane
Concen: 7.062 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 129 Resp: 2866
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

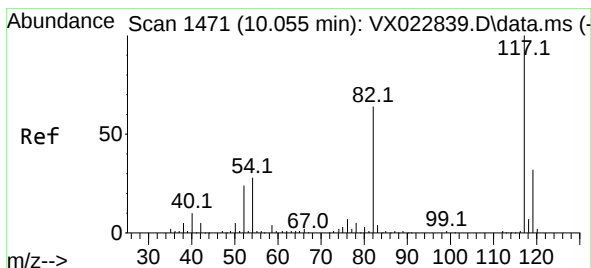
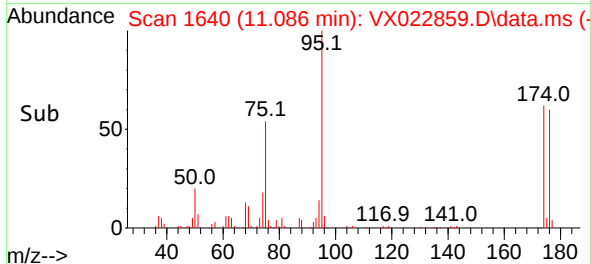
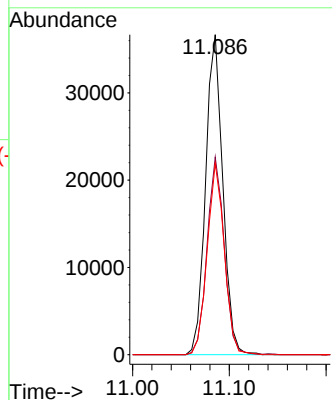
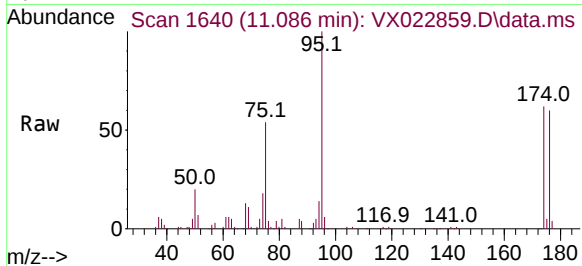




#62
4-Bromofluorobenzene
Concen: 45.628 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

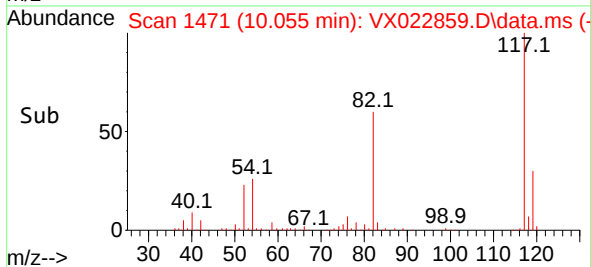
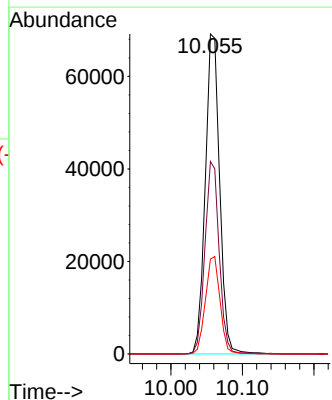
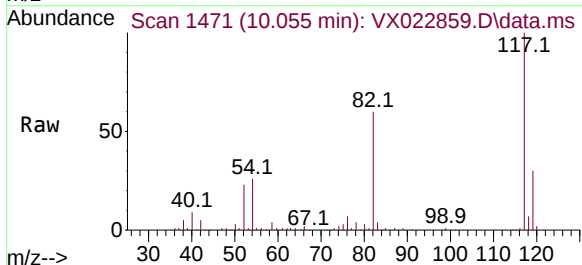
Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

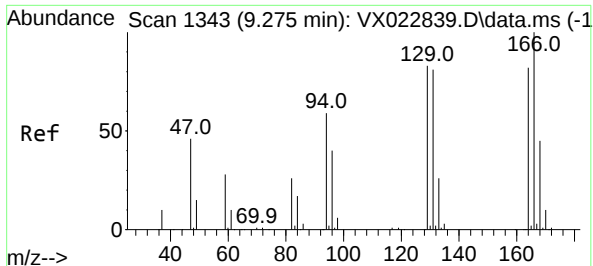
Tgt Ion: 95 Resp: 45353
Ion Ratio Lower Upper
95 100
174 61.8 0.0 154.6
176 59.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 117 Resp: 96925
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 29.7 26.6 39.8



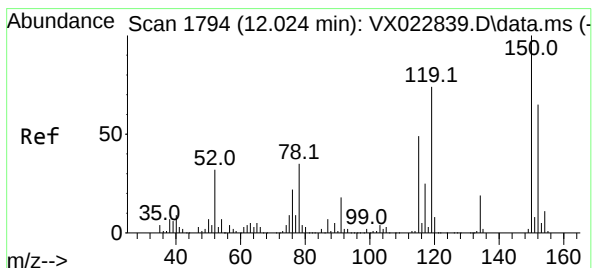
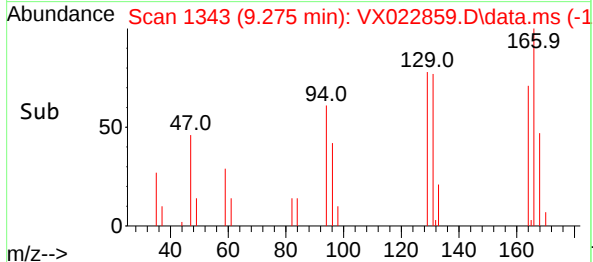
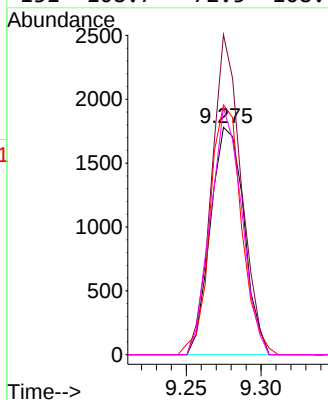
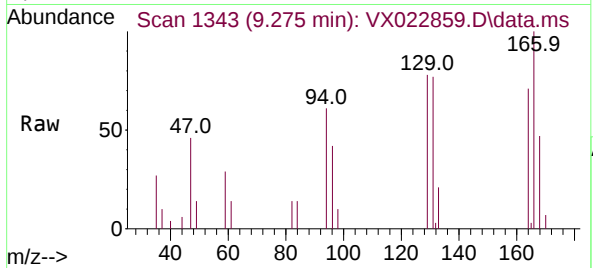


#64
Tetrachloroethene
Concen: 4.061 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

Tgt Ion:164 Resp: 2766

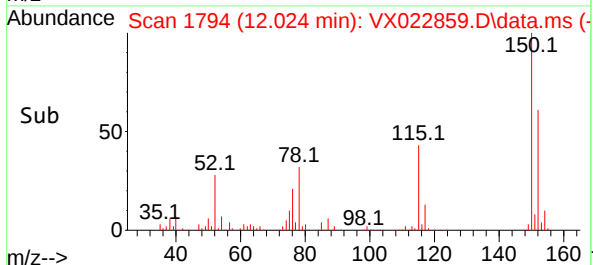
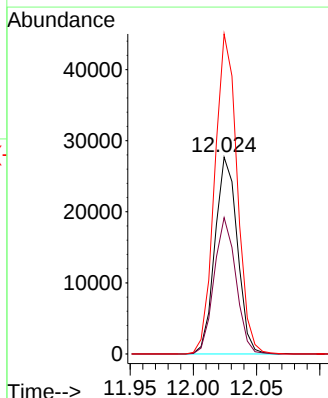
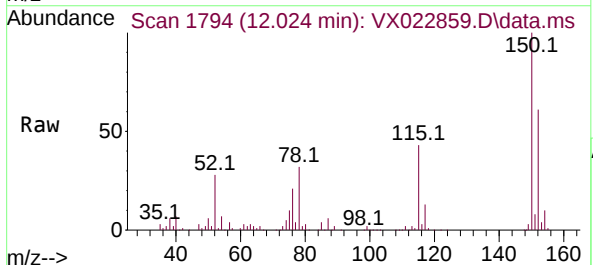
Ion	Ratio	Lower	Upper
164	100		
166	140.8	103.4	155.2
129	109.9	70.8	106.2#
131	108.7	72.5	108.7

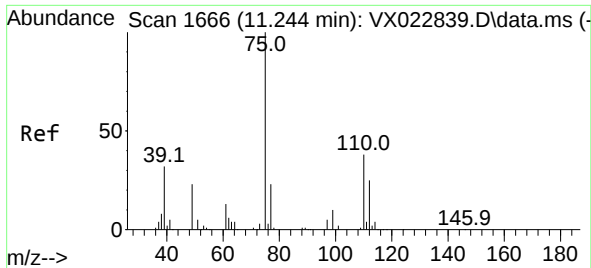


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion:152 Resp: 33980

Ion	Ratio	Lower	Upper
152	100		
115	67.8	41.1	123.3
150	163.1	0.0	349.0

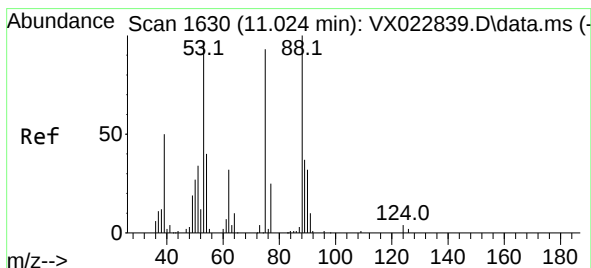
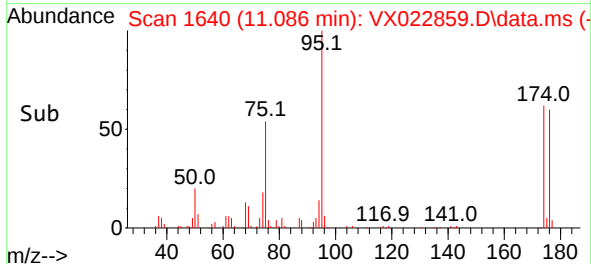
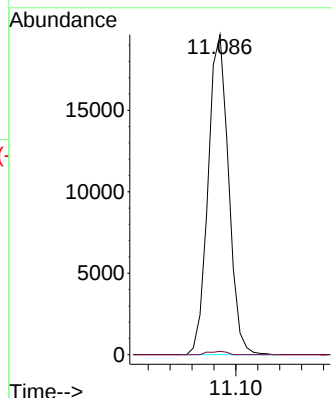
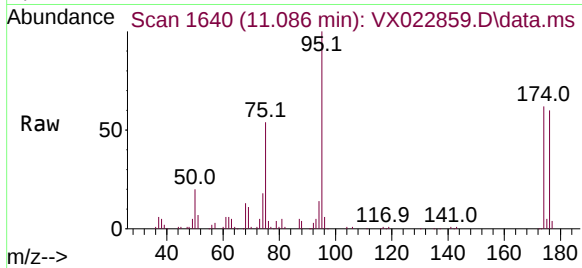




#76
1,2,3-Trichloropropane
Concen: 28.309 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Instrument :
MSVOA_X
ClientSampleId :
MW202D-20210619

Tgt Ion: 75 Resp: 25409
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.019 ug/l
RT: 11.086 min Scan# 1640
Delta R.T. 0.062 min
Lab File: VX022859.D
Acq: 23 Jun 2021 22:50

Tgt Ion: 75 Resp: 25409
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

